

## ABSTRACT

The present application relates to the secondary binding site of dipeptidyl peptidase IV, its relationship amongst substrates and to the modulation of substrate specificity of dipeptidyl  
5 peptidase IV (DP IV, synonym: DPP IV, CD26, EC 3.4.14.5). The application relates further to compounds that bind to the secondary binding site of DP IV and their use to modulate the substrate specificity of DP IV; methods of treatment of various DP IV mediated disorders; and screening methods for the identification of secondary binding sites on DP IV and DP IV-like enzymes.

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